



572 7818  
Docket No.: M4065.0505/P505  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Kristy A. Campbell et al.

Application No.: 10/075,390

Confirmation No.: 7206

Filed: February 15, 2002

Art Unit: 2818

For: METHOD TO ALTER  
CHALCOGENIDE GLASS FOR  
IMPROVED SWITCHING  
CHARACTERISTICS

Examiner: N. Drew Richards

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed more than three months after the U.S. filing date, AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

A copy of each reference on the PTO/SB/08 is attached.

07/27/2004 EABUBAK1 00000007 10075390

01 FC:1806

180.00 OP

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Credit Card in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). Credit Card Payment Form SB-2038, with a signature from an authorized cardholder, is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0505/P505.

Dated: July 26, 2004

Respectfully submitted,

By 

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Elizabeth Parsons

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Attorneys for Applicants



# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$) 180.00

## Complete if Known

Application Number	10/075,390-Conf. #7206
Filing Date	February 15, 2002
First Named Inventor	Kristy A. Campbell
Examiner Name	N. Drew Richards
Art Unit	2818
Attorney Docket No.	M4065.0505/P505

## METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit  
Account  
Number

04-1073

Deposit  
Account  
Name

Dickstein Shapiro Morin &  
Oshinsky LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

**SUBTOTAL (1)** (\$) 0.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims		-** =	x	=
Independent Claims		-** =	x	=
Multiple Dependent				=

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$) 180.00

## SUBMITTED BY

Name (Print/Type) Thomas J. D'Amico

Registration No.  
(Attorney/Agent)

28,371

(Complete if applicable)

Telephone (202) 828-2232

Signature

Date

July 26, 2004



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/075,390-Conf. #7206	
				Filing Date	February 15, 2002	
				First Named Inventor	Kristy A. Campbell	
				Art Unit	2815	
				Examiner Name	N. D. Richards	
Attorney Docket Number	M4065.0505/P505					
Sheet	1	of	2			

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	2002/0132417	09/09/2002	Li	
	AB	2002/0160551	10/31/2002	Harshfield	
	AC	2002/0163828	11/07/2002	Krieger et al.	
	AD	2002/0168852	11/14/2002	Harshfield et al.	
	AE	2002/0190289	12/19/2002	Harshfield et al.	
	AF	2003/0032254	02/13/2003	Gilton	
	AG	2003/0038301	02/27/2003	Moore	
	AH	2003/0043631	03/06/2003	Gilton et al.	
	AI	2003/0045049	03/06/2003	Campbell et al.	
	AJ	2003/0045054	03/06/2003	Campbell et al.	
	AK	2003/0047765	03/13/2003	Campbell	
	AL	2003/0047772	03/13/2003	Li	
	AM	2003/0047773	03/13/2003	Li	
	AN	2003/0048519	03/13/2003	Kozicki	
	AO	2003/0049912	03/13/2003	Campbell et al.	
	AP	2003/0068861	04/10/2003	Li	
	AQ	2003/0068862	04/10/2003	Li	
	AR	2003/0095426	05/22/2003	Hush et al.	
	AS	2003/0117831	06/26/2003	Hush	
	AT	2003/0128612	07/10/2003	Moore et al.	
	AU	2003/0137869	07/24/2003	Kozicki	
	AV	2003/0143782	07/31/2003	Gilton et al.	
	AW	2003/0155589	08/21/2003	Campbell et al.	
	AX	2003/0155606	08/21/2003	Campbell et al.	
	AY	2003/0156447	08/21/2003	Kozicki	
	AZ	2003/0156463	08/21/2003	Casper et al.	
	AA1	2003/0209728	11/13/2003	Kozicki et al	
	AB1	2003/0209971	11/13/2003	Kozicki et al	
	AC1	2003/0210564	11/13/2003	Kozicki et al	
	AD1	5,814,527	9/29/1998	Wolstenholme et al	
	AE1	5,818,749	10/06/1998	Harshfield	
	AF1	5,851,882	12/22/1998	Harshfield	
	AG1	5,869,843	2/9/1999	Harshfield	
	AH1	6,031,287	2/29/2000	Harshfield	
	AI1	6,440,837	8/27/2002	Harshfield	
	AJ1	5,406,509	4/1995	Ovshinsky et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				



<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/075,390-Conf. #7206
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				Art Unit	2815
				Examiner Name	N. D. Richards
Sheet	2	of	2	Attorney Docket Number	M4065.0505/P505

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Michael N. Kozicki, 1. Programmable Metallization Cell Technology Description, February 18, 2000	
	CB	Michael N. Kozicki, Axon Technologies Corp. and Arizona State University, Presentation to Micron Technology, Inc., April 6, 2000	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.